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JC672 U.S. PTO

01-27-00

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**CERTIFICATE OF EXPRESS MAILING**

Attorney Docket No. ACIPP006

First Named Inventor: WU, Chun-Han

This transmittal and the documents and/or fees itemized hereon and attached hereto have been deposited as "Express Mail Post Office to Addressee" in accordance with 37 CFR §1.10 with Mailing Label Number **EL468400784US**.

JC511 U.S. PTO  
09/489791  
01/24/00

**UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR. § 1.53(b))**

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

☐ Duplicate for  
fee processing

Sir: This is a request for filing a patent application under 37 CFR § 1.53(b) in the name of inventors:  
**Chun-Han Wu and Huan-chang Lin**

For **OPTICAL RECORDING MEDIUM PROTECTION CASSETTE**

Application Elements:

- ☒ 13 Pages of Specification, Claims and Abstract
- ☒ 07 Sheets of Drawings
- ☒ 02 Pages of Combined Declaration and Power of Attorney
- ☐ Separate Declaration

Accompanying Application Parts:

- ☒ Assignment and Assignment Recordation Cover Sheet (recording fee of \$40.00 enclosed)
- ☐ Separate Power of Attorney by Assignee
- ☐ 37 CFR 3.73(b) Statement by Assignee
- ☐ Information Disclosure Statement with Form PTO-1449
- ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard
- ☐ Small Entity Statement(s)
- ☐ Other:

Claim For Foreign Priority



Priority of Taiwan Application No. 88217302 filed on November 11, 1999 is claimed under 35 U.S.C. § 119.



The certified copy is enclosed.



The certified copy will follow.

Fee Calculation (37 CFR § 1.16)

	(Col. 1) NO. FILED	(Col. 2) NO. EXTRA	SMALL ENTITY RATE FEE	OR	LARGE ENTITY RATE FEE
BASIC FEE			\$345 \$	OR	\$690 \$ <b>690</b>
TOTAL CLAIMS	<u>04</u> -20 = <u>00</u>		x09 = \$	OR	x18 = \$
INDEP CLAIMS	<u>01</u> -03 = <u>00</u>		x39 = \$	OR	x782 = \$
[ ] Multiple Dependent Claim Presented			\$130 = \$	OR	\$260 = \$
* If the difference in Col. 1 is less than zero, enter "0" in Col. 2.			Total \$	OR	Total \$ <b>690</b>



Check No. 5092 in the amount of **\$730.00** is enclosed.



The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 50-0384 (Order No. ACIPP006 ).

General Authorization for Petition for Extension of Time (37 CFR §1.136)



Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 50-0384 (Order No. ACIPP006 ).



Please send correspondence to the following address:

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P.O. Box 52037

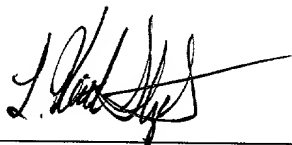
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Date: January 24, 2000



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## APPLICATION INFORMATION

Title Line One:: OPTICAL RECORDING MEDIUM PROTECTION CASS  
Title Line Two:: ETTE  
Total Drawing Sheets:: 7  
Formal Drawings?: Yes  
Application Type:: Utility  
Docket Number:: ACIPP006  
Secrecy Order in Parent Appl.?: No

## REPRESENTATIVE INFORMATION

Representative Customer Number:: 23053  
Source:: PrintEFS Version 1.0.1

0044270" T6463460

**TITLE OF THE INVENTION**  
**OPTICAL RECORDING MEDIUM PROTECTION CASSETTE**

**BACKGROUND OF THE INVENTION**

**(a) Field of the invention**

The present invention relates to an optical recording medium protection cassette, and in particular, to a durable protection cassette with a switch member to indicate protection status of the recording medium.

**(b) Description of the prior art**

Optical principle is commonly employed in storing or recording data in various media, such as Compact Disc (CD), Video Compact Disc (VCD), Digital Versatile Disc (DVD). There are plenty of advantages by employing such optical data recording medium (hereinafter referred as optical recording medium), such as lightweight, thin, short and small, portable, storage time being long, and capable of storing large quantity of data.

One way of performing read/write of an optical recording medium is to install the optical recording medium into a protection cassette and then deliver the cassette to an optical recording medium read/write machine to access the data stored in the optical recording medium. This way of data-accessing, like a floppy disk, is advantageous in that: (1) the surface of the optical recording medium is not subject to scratching; (2) write protection can be set or not on the protection cassette. If write protection of the protection cassette is set, "write-in" to the optical recording medium is not allowed. Thus, loss of important data as a result of accidental "write-in" can be avoided.

FIG. 5 is a schematic view of a conventional optical recording medium protection cassette, which comprises a housing 21 having a first opening 221 at a first lateral side thereof for retaining an optical recording medium, and a third opening 223 being formed at a second lateral side which is perpendicular to the first lateral side; a clasp member

24 being engaged with the first opening 221 of the housing 21 to restrict the optical recording medium within the housing 21; and two second openings 222.

The clasping member 24 is provided with a V-shaped portion 26 and a switch member 27. One end of the switch member 27 is integrally connected at the clasping member 24, the other end is provided with a protruding portion 271. FIGS. 6(a) and 6(b) are partial enlarged views of the clasping member 24, the V-shaped portion 26 and the switch member 27. Referring to FIGS. 6(a) and 6(b), the straight line distance from the connection of the switch member 27 and the clasping member 24 to the apex of the positioning/protruding portion 271 is longer than the straight line distance from the connection of the switch member 27 and the clasping member 24 to the apex of the V-shaped portion 26. Therefore, the position of the apex of the positioning/protruding portion 271, as shown in FIG. 6(a), is at the upper side of the V-shaped portion 26. Alternatively, as shown in FIG. 6(b), the position of the apex of the positioning/protruding portion 271 is at the lower side of the V-shaped portion 26. When the positioning/protruding portion 271 is switched, a substantially elastic deformation occurs as the switch member 27 is substantially L-shaped, such that the positioning/protruding portion 271 can pass through the apex of the V-shaped portion 26. Therefore, the positioning/protruding portion 271 switches at the two states as shown in FIGS. 6(a) and 6(b). Consequently, the write protection status of the optical recording medium in the optical recording medium protection cassette can be represented by switching the position of the positioning/protruding portion 271 of the switch member 27.

The position of the second opening 222 on the housing 21 corresponds to the positioning/protruding portion 271. Therefore, when the clasping member 24 is engaged with the housing 21, the positioning/protruding portion 271 can be switched.

A clip member 28 is formed at the clasping member 24, which has a protruding portion 281 for engaging a third opening 223 on a lateral side of the housing 21, so as to secure the clasping member 24 within the housing 21. FIGS. 7(a) and 7(b) are partial

enlarged views of the clip member 28 of the clasp member 24. Referring to FIGS. 7(a) and 7(b), if the clasp member 24 is to be withdrawn, the protruding portion 281 must be pushed away from the third opening 223 via the outside of the housing 21, and then the protruding portion 281 must be pushed down slightly so as to withdraw the clasp member 24 from the housing 21. In this way, the optical recording medium of the optical recording protection cassette can be withdrawn.

The connection between the switch member 27 and clasp member 24 is apt to split as a result of bending while switching the switch member 27. Since the switch member 27 and the clasp member 24 are formed integrally, and the switch member 27 at the write protection status and at non-write protection status are located at different positions, the connection of the switch member 27 and the clasp member 24 must be narrow to facilitate bending. As a result, the connection is apt to split after several times of bending and the function to set write protection for the optical recording medium in the optical recording medium protection cassette will be lost.

Another drawback of the prior art is that the sharp angle at the apex of the positioning/protruding portion 271 and the apex of the V-shaped portion 26 will become blunt after switching for several times. If the bluntness is severe, the distance from the connection of the switch member 27 and the clasp member 24 to the apex of the positioning/protruding portion 271 may approximate to the distance from the connection of the switch member 27 and the clasp member 24 to the apex of the V-shaped portion 26. This causes poor positioning function between the positioning/protruding portion 271 and the V-shaped portion 26. Therefore, the function of write protection indication is lost.

Still another drawback of the prior art is that the operation of the clip member 28 is not easy. It is thus not easy to withdraw the clasp member 24. Specifically, when the clasp member 24 is to be withdrawn, the protruding portion 281 of the clip member 28 must be pushed inward and the clasp member 24 must be pushed slightly sideways. Otherwise, the protruding portion 281 will re-bounce back to the third

opening 223. However, in accordance with the prior art, it is not easy to push the clasp member sideways. Therefore, the optical recording medium is not easily withdrawn from the optical recording medium protection cassette, and not easily loaded into the optical recording medium protection cassette.

### SUMMARY OF THE INVENTION

It is an object of the present invention to provide an optical recording medium protection cassette, wherein the switch member to indicate write protection status is not apt to split.

It is another object of the present invention to provide an optical recording medium protection cassette, wherein the installation or unloading of the optical recording medium is convenient.

To achieve the above objects, the optical recording medium protection cassette of the present invention comprises a housing, a clasp member and at least one switch member. A first opening for retaining an optical recording medium is formed on a first lateral side of the housing and a groove is formed on the inside of a second lateral side which is perpendicular to the first lateral side. The clasp member is in engagement with the first opening of the housing to restrict the optical recording medium to be located within the housing. The clasp member is provided with at least a first buckling portion and at least a V-shaped portion having a first side and a second side. Each switch member has a first end as a second buckling portion fastened to the first buckling portion of the clasp member, which makes the switch member rotate relative to the first buckling portion, and a second end which is a positioning portion substantially stops at either the first side or the second side of the V-shaped portion.

Furthermore, a clip member is formed at the clasp member, which has a protruding portion to fasten the groove disposed at the inside of the second lateral side

of the housing so as to secure the clasping member within the housing, and an annular portion, the protruding portion of the clip member being disengaged from the groove such that the clasping member can be withdrawn from the housing by switching the annular portion.

In accordance with the present invention, since the switch member can rotate relative to the clasping member, the situation that the switch member splitting from the clasping member will not occur.

In accordance with the present invention, the bluntness of the switch member causing a loss of positioning function will not occur.

In accordance with the present invention, the annular portion of the clip member can be simultaneously switched inwardly and sideways. The clasping member is thus easily withdrawn. Specifically, loading and unloading of optical recording medium is easy.

The aforesaid and other features of the invention are made more apparent in the following detailed description when read in conjunction with the attached drawings.

### **BRIEF DESCRIPTION OF THE DRAWINGS**

FIG. 1 is a top view, showing the assembly of the optical recording medium protection cassette and the optical recording medium in accordance with the preferred embodiment of the present invention.

FIG. 2(a) is a top view, showing the clasping member of the optical recording medium protection cassette in accordance with the preferred embodiment of the present invention.

FIG. 2(b) is a perspective view, showing the first buckling portion of the optical



recording medium protection cassette in accordance with the preferred embodiment of the present invention.

FIG. 2(c) is a top view, showing the switch member of the optical recording medium protection cassette in accordance with the preferred embodiment of the present invention.

FIG. 3(a) is a partial enlarged view, showing the position of the switch member at write protection status within the optical recording medium protection cassette in accordance with the preferred embodiment of the present invention.

FIG. 3(b) is a partial enlarged view, showing the position of the switch member at non-write protection status within the optical recording medium protection cassette in accordance with the preferred embodiment of the present invention.

FIG. 4(a) is a partial enlarged view, showing the position of the clip member when it is fastened to the groove of the optical recording medium protection cassette in accordance with the preferred embodiment of the present invention.

FIG. 4(b) is a partial enlarged view, showing the position of the clip member when it is disengaged from the groove of the optical recording medium protection cassette in accordance with the preferred embodiment of the present invention.

FIG. 5 is a top view, showing the assembly of a conventional optical recording medium protection cassette and an optical recording medium.

FIG. 6(a) is a partial enlarged view, showing the position of the switch member at the write protection status of a conventional optical recording medium protection cassette.

FIG. 6(b) is a partial enlarged view, showing the position of a switch member at

non-write protection status of a conventional optical recording medium protection cassette.

FIG. 7(a) is a partial enlarged view, showing the position of a clip member when it is fastened to the groove of a conventional optical recording medium protection cassette.

FIG. 7(b) is a partial enlarged view, showing the position of the clip member when it is disengaged from the groove of a conventional optical recording medium protection cassette.

## DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

FIG. 1 schematically shows an optical recording medium protection cassette of a preferred embodiment of the present invention, which comprises a housing 11 having a first opening 121 formed at a first lateral side of the housing 11 for retaining an optical recording medium and a groove 13 formed at the inside of a second lateral side perpendicular to the first lateral side; a clasping member 14 in engagement with the first opening 121 of the housing 11 to restrict the optical recording medium to be located within the housing 11; two second openings 122; and a third opening 123.

FIG. 2(a) schematically shows an optical recording medium protection cassette of the preferred embodiment. The clasping member 14 is provided with two first buckling portions 15 and two V-shaped portions 16. FIG. 2(b) is a partial perspective view of the first buckling portion 15. The first buckling portion 15 is substantially divided into two portions, the portion connected to the clasping member 14 has a smaller diameter and is cylindrical, the other portion has a larger diameter. A trench 151 is provided diametrically at the first buckling portion 15 and two side portions of the trench 151 are inclined towards the trench 151 so that the diameter is tapered. The two V-shaped portions 16 corresponding to the two lateral sides of the apex 161 are respectively provided with a first side 162 and a second side 163.

FIG. 2(c) is a top view showing a switch member 17 of the optical recording medium protection cassette in accordance with the preferred embodiment. One end of the switch member 17 is a second buckling portion 171 and the other end is a positioning portion 172. The second buckling portion 171 is annular and has an internal diameter substantially equal to the diameter of the cylindrical portion (the portion with smaller diameter) of the first buckling portion 15. When the second buckling portion 171 is fastened to the first buckling portion 15, the second buckling portion 171 contacts with the portion with larger diameter of the first buckling portion 15 such that the two side portions of the trench 151 are pushed toward the trench 151 such that the diameter is reduced. In this way, the second buckling portion 171 can pass through and eventually is telescoped over the cylindrical portion with smaller diameter of the first buckling portion 15. Next, after the second buckling portion 171 has passed through, the portion with larger diameter of the first buckling portion 15 recovers to its original shape, which has larger diameter than the internal diameter of the second buckling portion 171. The second buckling portion 171 thus can be telescoped over the cylindrical portion with smaller diameter of the first buckling portion 15 without dislocation. Furthermore, the second buckling portion 171 can rotate relative to the first buckling portion 15. Therefore, the switch member 17 can rotate relative to the first buckling portion 15.

FIGS. 3(a) and 3(b) are enlarged views of the V-shaped portion 16 and the switch member 17 of the clasp member 14. Referring to FIGS. 3(a) and 3(b), since the farthest distance from the center of the second buckling portion 171 of the switch member 17 to the positioning portion 172 is longer than the distance from the center of the second buckling portion 171 of the switch member 17 to the apex 161 of the V-shaped portion 16, the positioning portion 172 will stop at a position near to the first side 162 of the V-shaped portion 16, as shown in FIG. 3(a), or it will stop at a position near to the second side 163 of the V-shaped portion 16, as shown in FIG. 3(b). As the switch member 17 is of curved shape, it somewhat provides a flexible deformation. Therefore, when the positioning portion 172 is switched, the positioning portion 172 passes through the apex 161 of the V-shaped portion 16 and switches at the two states as shown in FIGS. 3(a) and 3(b). In this way, the state whether the optical recording medium in the optical

recording medium protection cassette is subject to write protection can be switched by changing the position of the positioning portion 172 of the switch member 17.

On the housing 11, the position of the second opening 122 corresponds to the positioning portion 172 on the switch member 17. Thus, the positioning portion 172 can be switched via the second opening 122 such that it stops at the first side 162 or the second side 163 of the V-shaped portion 16.

Since the second buckling portion 171 of the switch member 17 can rotate relative to the first buckling portion 15 of the clasp member 14, the connection of the switch member 17 and the clasp member 14 will not split, as in prior art. Besides, since the positioning portion 172 of the switch member 17 is of circular arc shape, and the apex 161 of the V-shaped portion 16 can be of circular arc shape as well (without affecting the positioning function), the bluntness caused by the sharp angle as stated in the conventional optical recording medium cassette will not occur. In view of the above, the longevity of the switch member 17 within the optical recording medium protection cassette is improved.

In accordance with the preferred embodiment, a clip member 18 is formed at the clasp member 14, which has a protruding portion 181 to fasten the groove 13 disposed at the inside of the second lateral side of the housing 11 so as to secure the clasp member 14 within the housing 11, and an annular portion 182, the protruding portion 181 of the clip member 18 being disengaged from the groove 13 such that the clasp member 14 can be withdrawn from the housing 11 by switching the annular portion 182.

FIGS. 4(a) and 4(b) show the enlarged views of the clip member 18 within the clasp member 14. Referring to FIGS. 4(a) and 4(b), the clasp member 14 can be withdrawn by moving the annular portion 182, pushing the protruding portion 181 away from the groove 13, and moving the protruding portion 181 downward such that the clasp member 14 is withdrawn from the housing 11. In this way, the optical recording medium within the optical recording medium protection cassette can be withdrawn.

On the housing 11, the position of the third opening 123 corresponds to the position of the annular portion 182, the annular portion 182 thus can be switched via the third opening 123. In this way, the protruding portion 181 can first be slightly moved inward and then be moved inward and downward simultaneously, finally be moved downward. Accordingly, the clasp member 14 can be withdrawn in a simpler way than that in prior art.

Although the invention has been explained with reference to its preferred embodiment, it is to be understood that other modifications and variations can be made without departing from the spirit and scope of the invention as hereinafter claimed.

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**CLAIMS**

1. An optical recording medium protection cassette comprising:

a housing, a first opening for retaining an optical recording medium being formed on a first lateral side thereof and a groove being formed on the inside of a second lateral side perpendicular to the first lateral side thereof; and

a clasp member, in engagement with the first opening of said housing to restrict the optical recording medium to be located within said housing,

wherein the clasp member is provided with at least a first buckling portion and at least a V-shaped portion having a first side and a second side; and

the optical recording medium protection cassette further comprises at least a switch member, each switch member has a first end as a second buckling portion fastened to the first buckling portion of said clasp member, making said switch member rotate relative to the first buckling portion, and a second end which is a positioning portion substantially stops at either the first side or the second side of the V-shaped portion.

2. An optical recording medium protection cassette as set forth in Claim 1, wherein a second opening is formed at a position of said housing corresponding to the positioning portion, the positioning portion being switched via the second opening.

3. An optical recording medium protection cassette as set forth in Claim 1, wherein a clip member is formed at the clasp member, which has a protruding portion to fasten the groove disposed at the inside of the second lateral side of said housing so as to secure said clasp member within said housing, and an annular portion, the protruding portion of said clip member being disengaged from the groove such that said clasp member can be withdrawn from said housing by switching the annular portion.

4. An optical recording medium protection cassette as set forth in Claim 3, wherein a third opening is formed at a position of said housing corresponding to the annular portion, the annular portion being switched via the third opening, which makes the protruding portion disengage from the groove such that said clasp member can

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be withdrawn.

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**ABSTRACT**

The optical recording medium protection cassette of the present invention comprises a housing, a clasping member and at least one switch member. A first opening for retaining an optical recording medium is formed on a first lateral side of the housing and a groove is formed on the inside of a second lateral side which is perpendicular to the first lateral side. The clasping member is in engagement with the first opening of the housing to restrict the optical recording medium to be located within the housing. The clasping member is provided with at least a first buckling portion and at least a V-shaped portion having a first side and a second side. Each switch member has a first end as a second buckling portion fastened to the first buckling portion of the clasping member, which makes the switch member rotate relative to the first buckling portion, and a second end which is a positioning portion substantially stops at either the first side or the second side of the V-shaped portion.

Furthermore, a clip member is formed at the clasping member, which has a protruding portion to fasten the groove disposed at the inside of the second lateral side of the housing so as to secure the clasping member within the housing, and an annular portion, the protruding portion of the clip member being disengaged from the groove such that the clasping member can be withdrawn from the housing by switching the annular portion.



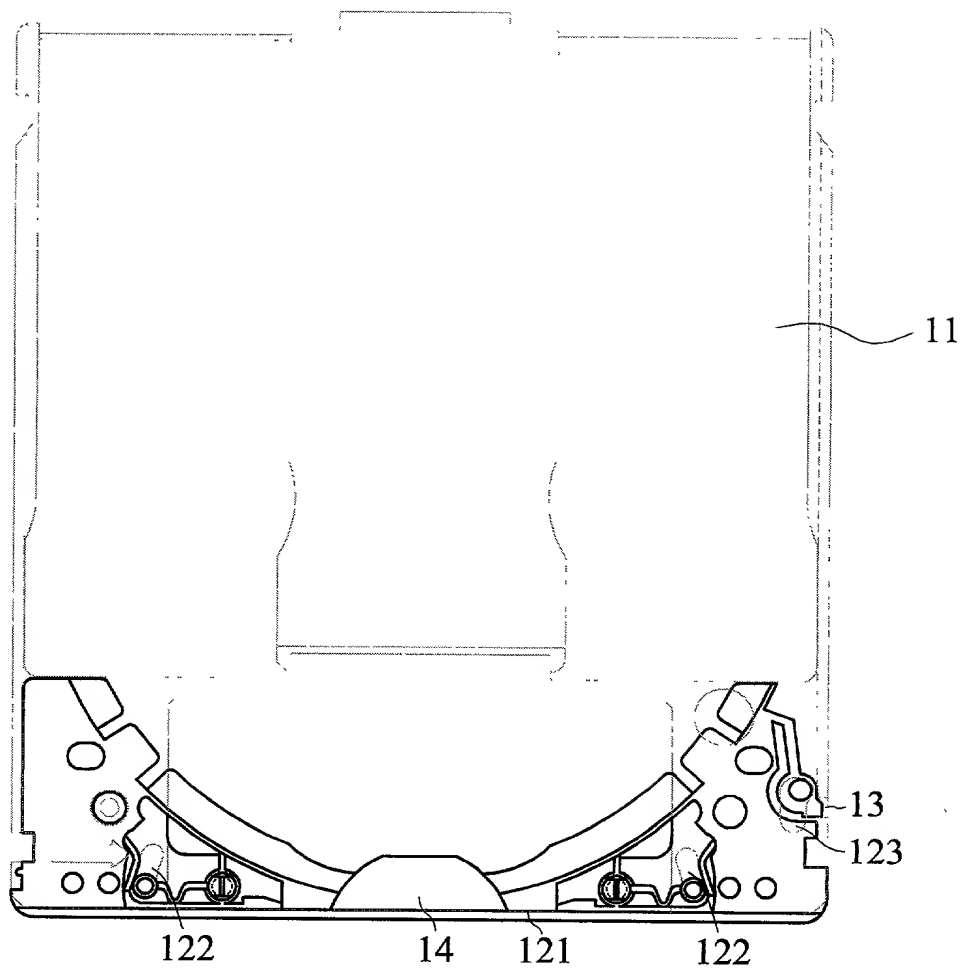


FIG. 1

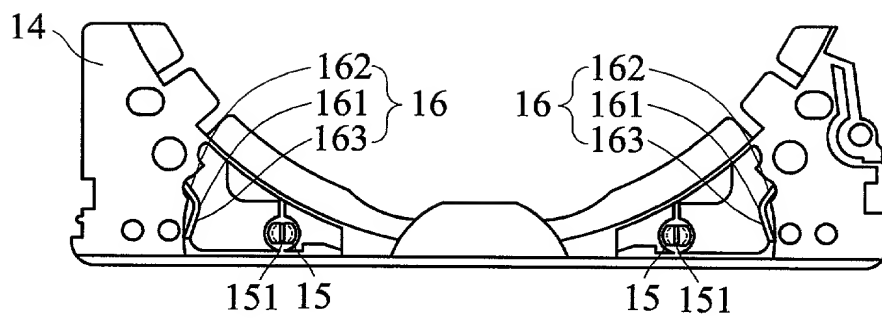


FIG. 2(a)

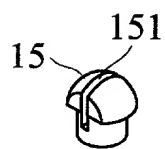


FIG. 2(b)

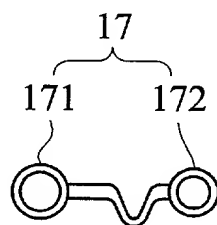


FIG. 2(c)

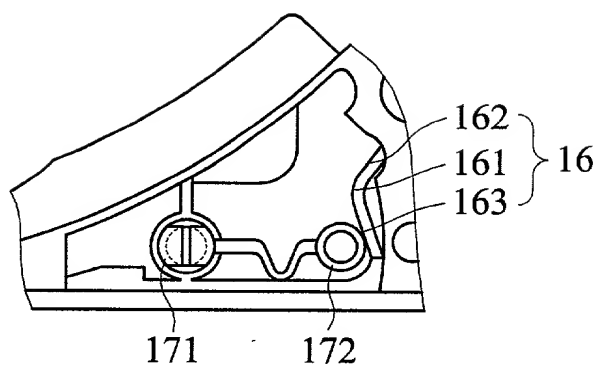


FIG. 3(a)

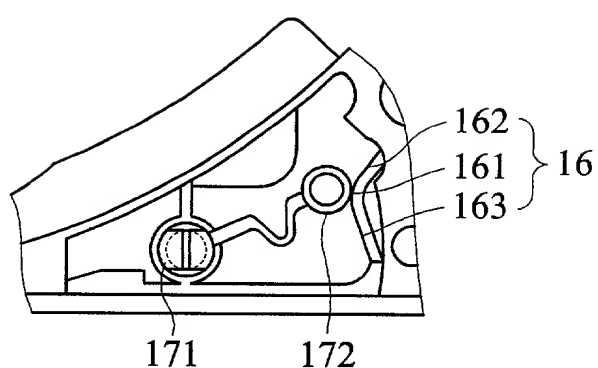


FIG. 3(b)

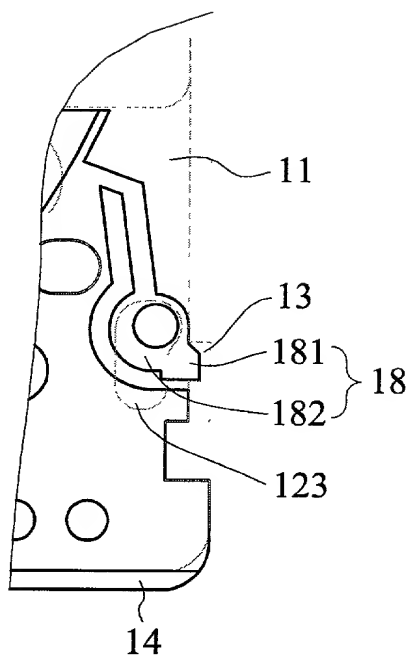


FIG. 4(a)

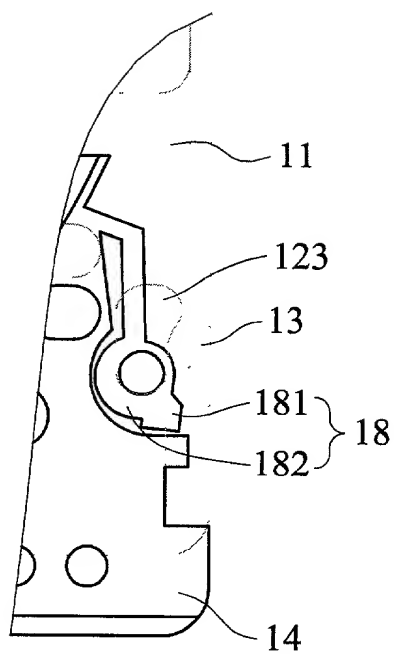


FIG. 4(b)

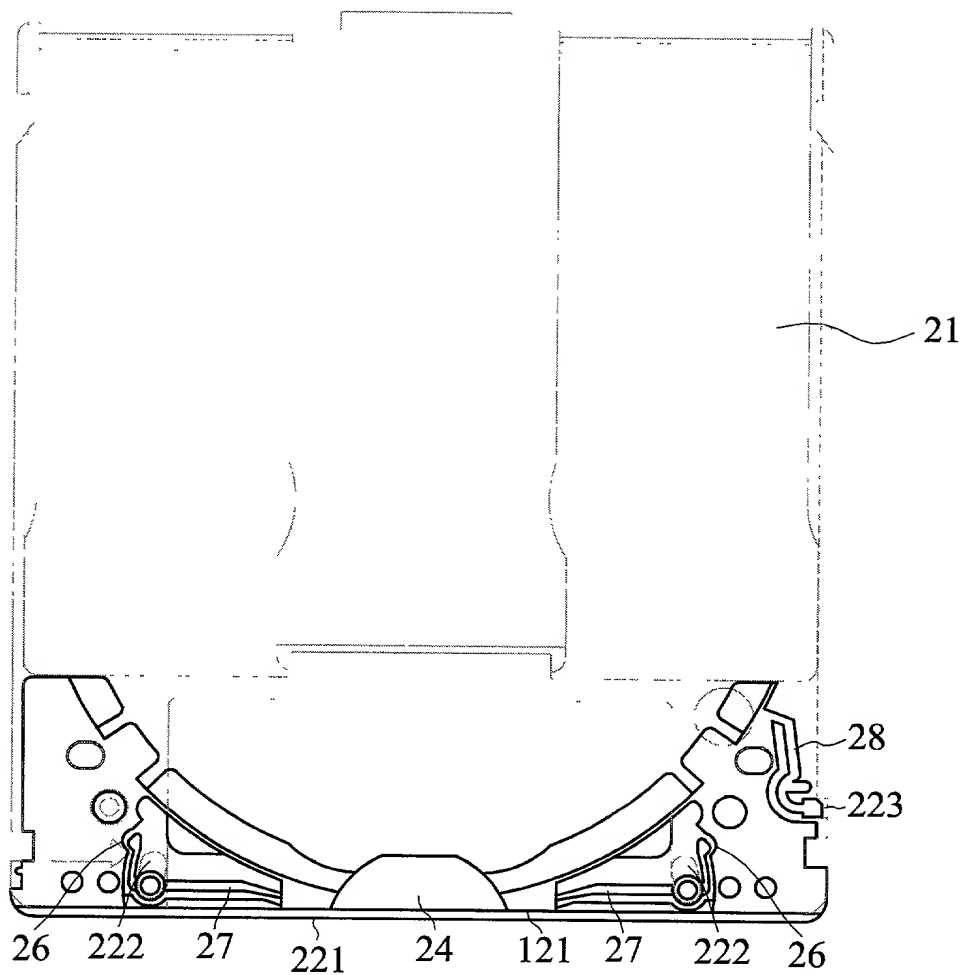


FIG. 5  
(PRIOR ART)

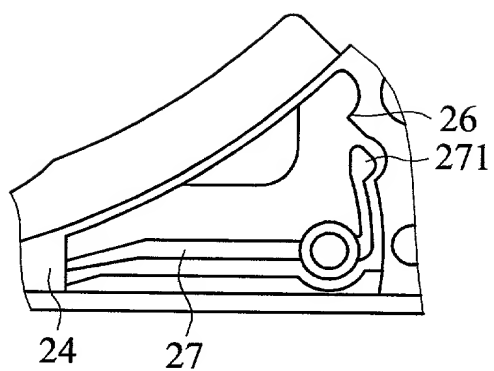


FIG. 6(a)  
(PRIOR ART)

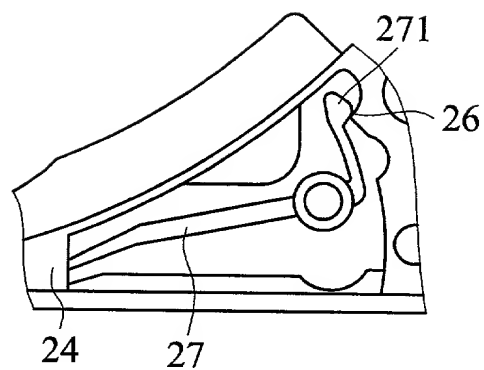


FIG. 6(b)  
(PRIOR ART)

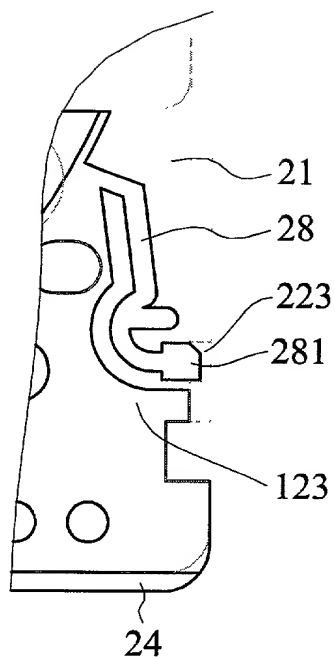


FIG. 7(a)  
(PRIOR ART)

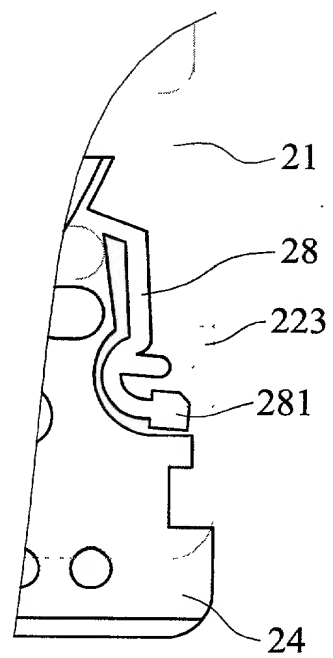


FIG. 7(b)  
(PRIOR ART)

# DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL U.S. PATENT APPLICATION

Attorney's Docket No. ACIPP006

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: OPTICAL RECORDING MEDIUM PROTECTION CASSETTE, the specification of which,

(check one)

1. ☒ is attached hereto.
2. ☐ was filed on \_\_\_\_\_ as  
U.S. Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_
3. ☐ was filed on \_\_\_\_\_ as  
International PCT Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, CFR § 1.56.

I hereby claim foreign priority benefits under Title 35, United States code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)			PRIORITY CLAIMED	
Number	Country	Year /Month/ Day	Yes	No
88217302	Taiwan	1999/10/11	X	

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

## Prior U.S. Application(s)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status - patented, pending, abandoned)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

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(Status - patented, pending, abandoned)



And I hereby appoint the law firm of Hickman Stephens Coleman & Hughes, including Paul L. Hickman (Reg. No. 28,516); L. Keith Stephens (Reg. No. 32,632); Brian R. Coleman (Reg. No. 39,145); Michael J. Hughes (Reg. No. 29,077); Michael E. Melton (Reg. No. 32,276); Kevin J. Zilka (Reg. No. 41,429); Dominic Kotab (Reg. No. 42,762); Raymond E. Roberts (Reg. No. 38,597); Vidya R. Bhakar (Reg. No. 42,323); Larry B. Guernsey (Reg. No. 40,008); Douglas E. Mackenzie (Reg. No. 38,955); Michael D. Plimier (Reg. No. 43,004); Ronald B. Feece (Reg. No. P467,327); George B. Leavell (Reg. No. P45,436); and Robert D. Hayden (Reg. No. 42,645) as my principal attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon

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